

Three-Year Watershed Implementation Priorities for Hood Canal Coordinating Council			
Domain Priority	Action name and description	Likely sponsor	Brief Description
CAPITAL PROJECTS			
Habitat Capital Projects			
Mid-Hood Canal			
1	USFS Dosewallips wood-riparian restoration phase 1	USFS and Tribes; Noxious Weed Board	Place log jams and increase wood loading by helicopter and conventional means in strategic locations owned by the USFS, including 6 mile bridge, FS boundary, above Camp Acacia, Steelhead Campground, and below road washout
1	Powerlines, Lazy C, Southshore riparian-floodplain protection Lower Dosewallips	Jefferson Land Trust, State Parks, Jefferson County, CLC, HCCC	Protect high quality habitats and purchase impaired habitats for future restoration; includes planning effort
1	Powerlines Lower Dosewallips wood-riparian restoration	Wild Fish Conservancy and Tribes; County and Land Trust	Improve instream wood loading rates and riparian conditions in the Powerlines Reach
1	Lower Dosewallips floodplain/estuary restoration	WFC, Tribes, State Parks	Improve riparian conditions, tidal inundation, and floodplain connection; feasibility study included
1	Wolcott Slough Fishtrap Removal	HCSEG	Remove USFWS fishtrap and regrade salt marsh and tidal channels
1	USFS road decommission Dosewallips	USFS, Tribes, HCSEG	Decommission high priority roads for aquatic risk
1	Right Smart Cove Acquisition and Restoration	WFC, State Parks	Complete conservation transaction with willing landowner, remediate property, remove fill in coastal lagoon, replant marine riparian area
1	Lower and Middle Duckabush riparian-floodplain protection Phase 1	Jefferson County and Jefferson Land Trust	Protect high quality habitats and purchase impaired habitats for future restoration; includes planning effort
1	Lower Duckabush riparian-floodplain restoration Phase 1	?	Improve instream wood loading rates and riparian conditions in the Lower Duckabush after protection efforts have advanced
1	USFS road decommission Duckabush	USFS, Tribes, HCSEG	Decommission high priority roads for aquatic risk

1	Middle Duckabush wood-riparian restoration phase 1	WFC, USFS and Tribes; Noxious Weed Board	Place log jams and increase wood loading by helicopter and conventional means in strategic locations
1	SR101 Causeway Replacement Duckabush	Army Corps, multiple?	Continue feasibility studies to address benefits for retrofit, alternatives, and costs along the Duckabush causeway
1	Robinson Road Levee Removal Duckabush	HCSEG	Obliterate levee on WDFW property, remove exotic invasive plant species
1	Pierce Creek culvert at Shorewood RD	Jefferson County and Jefferson Land Trust	Improve tidal inundation and fish passage under Shorewood Road
1	Hama Hama Estuary Restoration	HCSEG	Restore connectivity to north distributary and estuary as feasible, including levee breach below 101 and North Fork reconnection above 101 where feasible
1	Upper Hama Hama riparian restoration	USFS	Improve riparian conditions in non-anadromous reaches to address identified sediment and temperature inputs
1	USFS road decommission Hama Hama	USFS, Tribes, HCSEG	Decommission high priority roads for aquatic risk
1	USFS Road Drainage and Stabilization	USFS	Stabilize high priority roads for aquatic risk
Skokomish-Lilliwaup			
1	Army Corps General Investigation for restoration feasibility	Skokomish Tribe and Mason County,USACE	Complete general investigation as a mechanism for a consensus-based road map to improving floodplain and channel functions
1	Vance Creek Restoration Feasibility	Tribe	Conduct landowner outreach, survey, and conceptual design for conservation and restoration actions in the summer chum and chinook reaches
1	Nalley Island Estuary Restoration	Skokomish Tribe, Tacoma Power, USACE, MCD	Obliterate levees, borrow ditches, and tidegates on Nalley Island
1	Eastshore 6 acre fill removal	Skokomish Tribe	Remove fill in the eastern cell of the lower Skokomish Estuary
1	Potlach State Park Restoration	Skokomish Tribe and WA State Parks	Reroute Potlach Creek; investigate fill removal in historic salt marsh; revegetate shoreline
1	Lake Cushman passage down/upstream	Tacoma Power	Create upstream and downstream passage past Cushman Project, or other alternative as driven by passage agreement
1	Flow Improvements with Cone Valve at Cushman Project	Tacoma Power	Add Cone Valve to Cushman Project to allow quantity and quality of outflow to improve North Fork and Skokomish Mainstem

1	McTaggart and Gibbons Creek Diversion Dam and Culvert Removal	Tacoma Power, Green Diamon and USFS	Fish passage and stream improvement to a significant amount of spawning and rearing area
1	Eel Springs Hatchery Intake on Swift Creek	?	Fish passage
1	George Adams Hatchery; Ten-acre and Purdy Creeks	?	Fish passage
1	McKernon Hatchery	?	Fish passage
1	Lower Skobob Creek Complexity	Skokomish Tribe	Place woody debris by helicopter to improve rearing habitat in tidal creek system
1	ELJs in mainstem, SF, NF, Vance	Skokomish Tribe, multiple	General category of restoration as a placeholder for results of General Investigation
1	Five Mile Creek Engineered Log Jams	MCD	Install 5 log jams approximately 1/2 mile upstream of old North Fork confluence
1	Upper South Fork, Holman Flats, and Tributary Floodplain-Channel-Riparian Restoration	Skokomish Tribe and USFS	Place woody debris jams by helicopter and conventional means in upper forks and tributary junctions; riparian plantings
1	Car-body Levee Removal and channel complexity	Mason CD, NRCS and/or landowner	Deconstruct levee system at historic confluence of North and South Forks, enhance resulting channels, replant vegetation
1	Skokomish River and Bourgalt Road Partial Removals	Tribe	Deconstruct abandoned road system to reconnect adjacent wetlands and floodplains to the lower Skokomish River
1	Dike Removal and/or setbacks-TBD by GI	multiple	General category of restoration as a placeholder for results of General Investigation
1	SR101 and SR106 road prisms/bridges - TBD by GI	WSDOT, multiple	In addition to general category of restoration as a placeholder for results of General Investigation, also includes Purdy Creek 101 rebuild
1	Silviculture Treatments for increased hydrologic maturity	USFS and HCSEG	Increase hydrologic maturity within Skokomish basin
1	Protect habitats through conservation tools	multiple	Protect high quality habitats and purchase impaired habitats for future restoration
1	Riparian plantings, Farm Plans, and BMPs	multiple	Work with Mason Conservation District and private landowners to improve stewardship through public incentive programs such as Farm Plans Cost Share, Environment Quality Improvement Program, Wildlife Habitat Improvement Program, and BMP construction

1	USFS Road Decommission - North Fork 14km	USFS and SWAT	Decommission high priority roads for aquatic risk
1	USFS Road Decommission - South Fork 93km	USFS and SWAT	Decommission high priority roads for aquatic risk
1	USFS Road Decommission - Vance Creek 6km	USFS and SWAT	Decommission high priority roads for aquatic risk
1	Road Drainage and Stabilization - South Fork	USFS and SWAT	Stabilize roads to reduce aquatic risk
1	Road Maintenance	USFS and SWAT	Maintain roads to reduce aquatic risk through annual maintenance program
1	Lilliwaup Instream Restoration Design	LLTK, HCSEG, WDFW, Skok Tribe	Work with landowners to design restoration project to remove fill in lower floodplain, enhance woody debris, and replant riparian areas
Straits and Quilcene			
1	Snow/Salmon Estuary and Shoreline Restoration	NOSC, WDFW, DNR, JCD	Remove abandoned railroad grade and fill, naturalize adjacent shoreline, and remove derelict structures; expand existing project, relocate water line
1	Snow/Salmon Reconnection Feasibility and Design	WDFW, NOSC, JCD	Assess benefits and feasibility of reconnecting Snow and Salmon Creeks; design construction plans
1	Snow/Salmon Riparian Restoration	JCD, NOSC, WDFW, Noxious Weed Board	Plant native vegetation and control exotic invasives; install livestock exclusion fencing, add BMPs, and alternative water systems
1	Snow/Salmon Floodplain and Nearshore Protection	Jefferson Land Trust, NOSC, JCD, WDFW	Protect high quality habitats and purchase impaired habitats for future restoration in floodplains and estuary; includes planning effort to work with willing landowners
1	Snow Creek Wood Enhancement Design	NOSC, JCD	Landowner outreach, feasibility, and design of project to improve channel complexity and instream functions through summer chum range
1	Snow/Salmon Road Decommissioning and Stabilization	USFS, NOSC	Decommission highest priority roads for aquatic risk
1	Fairmount Marsh Restoration	JCD, MRC, NOSC	Remove abandoned causeway to restore pocket marsh habitat adjacent to Snow/Salmon watershed; replace bulkhead with softshore protection
2	Chimacum Creek Priority Lands Conservation	Jefferson Land Trust, NOSC, JCD	Protect high quality habitats and habitats for restoration in summer chum range; maintain headwater working forests
2	Chimacum Creek Restoration	JCD, NOSC	Improve stream and floodplain habitat conditions in Chimacum Watershed through channel improvements, wood addition, riparian plantings, fencing, and

			noxious weed control
2	Chimacum Estuary Restoration Phase 2	NOSC, WDFW	Restore estuarine and shoreline functions by removing non-native fill and replanting shoreline to the south of Chimacum estuary phase 1 site
2	Scow Bay Culvert Replacement	NOSC, WSDOT, WDFW	Replace undersized culverts with bridge length on Marrowstone Island causeway to restore natural tidal inundation and access to and from Scow Bay for Puget Sound and Hood Canal salmon stocks
2	Tarboo/Dabob Bay Protection	NW Watershed Institute	Northwest Watershed Institute and project partners propose Phase I of a program to protect and restore Tarboo-Dabob Bay, one of the highest quality and largest saltmarsh estuaries remaining in the Hood Canal and Straits of Juan de Fuca region.
2	Oak Head Salt Marsh Restoration	NWI	This project will remove road fill and restore the mouth of the pocket lagoon for tidal inundation, in addition to replanting riparian buffers. Located at the head of Toandos Peninsula, along summer chum and chinook migratory pathways.
4	Dabob Bay Creosote Bulkhead Removal	NWI	Northwest Watershed Institute and cooperating landowner and tugboat salvage company propose to remove an old 400 foot long creosote log bulkhead from in front of landowner's shoreline property on Dabob Bay to return it to a natural condition.
1	Big and Little Quilcene Floodplain and Estuary Protection	Jefferson Land Trust, HCSEG, Tribes, Jefferson County	Protect high quality habitats and purchase impaired habitats for future restoration; includes planning effort to work with willing landowners;
1	Quilcene Wetlands Restoration	HCSEG, NRCS, WDFW, USFWS	Obliterate saltwater levees south of Big Quilcene River on willing landowner property to restore salt marsh habitat and tidal channels; include abandoned WDFW pond; donated easement. \$25,000 is needed to fund landowner conservation transactions
1	WDFW Abandoned Wildlife Pond	HCSEG, WDFW	Remove failed levee system constructed as a wildlife pond by WDFW at the mouth of the Big Quilcene River
1	Big Quilcene Wood Enhancement	Skokomish Tribe, WDFW, HCSEG	Place woody debris and remove riprap at two sites (old Rose and PUD properties) to improve channel and floodplain complexity and instream functions through summer chum range
1	Linger Longer Reach Restoration	Jefferson County, WDFW, Tribes	Continue Linger Longer Reach Restoration with the end goal of restoring floodplain processes below Rogers Street. This project will include widening the floodplain, creating increased channel habitat, widening the existing bridge, and replanting.
1	Little Quilcene Floodplain Enhancement	HCSEG, NRCS, WDFW, Tribes, Noxious Weed Board	Remove riprap, add wood, control exotic invasive species, and replant riparian habitats in lower river below Center Road; begin design of upstream projects

1	Big and Little Quilcene Delta Cone Removals	HCSEG, WDFW	Remove delta cones to restore linkage between tidal and freshwater hydraulic forces
1	Little Quilcene Estuary Restoration	HCSEG, NRCS, WDFW, Jefferson County, Tribes	Provide additional funds to existing project to remove aggraded delta cone
Union and Tahuya			
1	Union River Salt Marsh Restoration	HCSEG, WDFW, Skokomish Tribe, PNWSC	Breach levees strategically and enhance tidal channels to restore tidal inundation to 40 acres of historic salt marsh; revegetate backshore; enhance adjacent channels
1	Union and Tahuya River Floodplain Protection	HCSEG, CLC	Protect high quality habitats and purchase impaired habitats for future restoration
1	Union and Tahuya River Floodplain Enhancement	HCSEG, WDFW, Noxious Weed Board, Mason CD	Remove riprap, add wood, control exotic invasive species, and replant riparian habitats in summer chum range
1	Klingel Estuary Restoration	GPC, WDFW, NRCS	Remove levees and tidegate to restore salt marsh and tidal channels
2 or 3	Dewatto to Tahuya Priority Lands Conservation	GPC, WDFW, DNR, HC Alliance	Work with large forest landowners to purchase development rights and ensure in perpetuity working forests that form the headwaters of Tahuya and Dewatto Rivers; Hood Canal Alliance
4	Twano Falls Community Club Bulkhead Removal	HCSEG	Work with Twano Falls Community Club to remove 225 feet of an 8-foot tall vertical riprap wall and replace with sloping pocket beach in documented surf smelt spawning habitat on the south shore of Lower Hood Canal
West Kitsap			
2 or 3	Big Beef to Dewatto Priority Lands Conservation	GPC, WDFW, DNR, HC Alliance	Continue conservation efforts with the Hood Canal Alliance
2	Dewatto Estuary	HCSEG	Remove relict levees in sub-estuary and restore channel complexity; fill dredge hole; replant affected riparian areas
Regional			
2	Marine Riparian Initiative	HCCC, JLT, CLC, GPC, RFEGs, CDs, WSU, Noxious Weed Boards	Protect and restore riparian corridors in the summer chum ESU. In addition to plants, technical assistance, and workforce on public and private lands, this project would provide matching funds to enable a process for landowners to donate conservation easements
2	Derelict Gear Removal	HCSEG	Inventory marine subtidal areas of Hood Canal for derelict nets and pots and continue removal process

1	Riparian Enhancement and Noxious Weed Control	Multiple	Survey, inventory, and control exotic, invasive vegetation species along high priority freshwater reaches
Hatchery Capital Projects			
TOTAL CAPITAL NEED:			
NON-CAPITAL PROGRAMS			
Harvest Management support			
	Population Analysis & Modeling	WDFW/Tribes	This program would hire an analyst to address population analysis and modeling needs identified in the recovery plans to help fill gaps identified by the TRT and increase understanding and certainty in the management of salmon recovery.
Future Habitat Project Development			
	Juvenile Salmonid Research Project	LE Group, co-managers	Conduct survey of juvenile salmonid distribution, behavior, habitat preferences, and life histories of summer chum and chinook salmon. This would be a collaborative effort to address the most important uncertainties outlined in recovery and implementation plans.
	Nearshore Inventory, Assessment, and Coordination	HCCC, Kitsap, Mason, Jefferson Counties	The goal of this project will be to incorporate existing databases and governmental nearshore assessments in all three counties to develop a prioritized set of voluntary habitat actions and to incorporate best available science into federal, state, and county regulatory programs.
	Conservation Strategy Database	HCCC	
Habitat protection -- monitoring of habitat quality			
	Adaptive management and monitoring	Multiple stakeholders	Direct and cumulative effectiveness mon'g for projects and programs can be implemented concurrently through a rigorous watershed program that meets multiple objectives, including status and trends of habitats, effectiveness of activities, and watershed assessment for future project design. Our proposal is to work within Ecology framework to monitor conditions at WRIA and SRR scales, coordinating and supporting local interests, and communicating with regional roll-up efforts.
Habitat protection -- monitoring of regulatory programs			

	Adaptive management and monitoring	Multiple stakeholders	See above
Habitat protection -- participation in policy or regulatory updates			
	Landuse Permit Tracking	HCCC	Continue landuse permit tracking database and analysis to assess hypotheses in the Summer Chum SRP regarding build-out, etc.
	Conservation Strategy Database	HCCC	Overlay existing protected areas including voluntary and regulatory programs with high priority conservation areas to determine an integrated conservation strategy.
Watershed Plan Implementation			
	To Be Determined		
Outreach & Education			
	Multiple		
Salmon Recovery coordination/implementation			
	Co-manager General Management and Operations Support Program	Co-managers	There is a need to provide oversight and ensure follow-up management and coordination of chinook recovery efforts. Multiple tasks can be implemented through increased capacity at WDFW and the Tribes.
	Enforcement Needs Analysis	HCCC	Work with local land use jurisdictions and state regulatory agencies to conduct an enforcement needs analysis.
	Dosewallips/Duckabush Habitat Planning	HCCC	Work with local community to develop broadly supported habitat recovery projects.
	Multiple other - See Summer Chum SRP	HCCC	
Habitat Project Monitoring			
	Nutrient Sequestering from Salmon Projects	HCCC, Ecology	This effort to monitor Skokomish and Klingel estuary restoration sites, and LWD placement sites in Little Anderson, Gamble, and Carpenter Creeks will establish the efficacy of 2 types of salmon restoration projects in nutrient sequestering, an important aspect of the Hood Canal low dissolved oxygen

			effort.
	Anchor Exclusion Eelgrass Effectiveness Monitoring	MRC	This project will monitor the effectiveness of a voluntary anchor exclusion zone offshore of Port Townsend.
Stock Monitoring Support			
	New Fishcounter at Salmon Creek	NOSC	
TOTAL NON-CAPITAL NEED:			
TOTAL CAPITAL & NON-CAPITAL NEED:			